

SCORPION STEAM ACADEMY

The Nevada State College Scorpion STEAM Academy supports the development and growth of a diverse community of young STEAM learners through innovative, engaging experiences that promote the acquisition of interdisciplinary knowledge and skills to enhance students' personal, academic, and professional career success while meeting the needs of tomorrow's workforce.

SUMMER EDUCATIONAL PROGRAMMING

When not engaged in learning, a student's retention of academic knowledge and skill significantly declines. Summer learning opportunities have been shown to narrow student achievement gaps and to decrease summer learning loss in school-aged students. Scorpion STEAM Academy will mitigate learning loss through academically enriching, quality programming involving instruction and interest-based learning opportunities.

- ▶ Experience academic enrichment, self-growth, leadership development through engaging STEAM camps.
- ▶ Discover a range of educational pathways that lead to STEAM occupations such as: high school magnet and advanced programs, trade and certificate programs, 4-year college/university degrees, advanced degrees.
- ▶ Discover a range of career pathways in STEAM fields and advancement opportunities through occupational and educational experience.
- ▶ Obtain a deeper understanding of STEAM concepts through a series of interactive, hands-on learning activities including, but not limited to, workshops, experiments, guest speakers, recreational activities.
- ▶ Develop skills including, but not limited to, critical and analytical thinking, communication, problem solving, teamwork, and creativity.
- ▶ Participate in educational seminars and field trips led by industry-taught leaders.
- ▶ Be inspired by STEAM professionals describing personal experiences that led to their careers in academic or industry STEAM occupations.



WORKFORCE
DEVELOPMENT
NEVADA STATE COLLEGE



PROGRAM CERTIFICATES AND DIGITAL-BADGES

NSC will present participants with certificates to show off their training for each completed program. Students will also be able to demonstrate mastery of each program's content by earning NSC-verified digital badges as competency-based recognition.

For additional information, visit us online at scorpionSTEAMacademy.nsc.edu and/or contact Stephanie Molina at scorpionSTEAMacademy@nsc.edu.

SUMMER DAY **CAMP PROGRAMS**

Nevada State College's Scorpion STEAM Academy (SSA) provides an engaging introductory experience for students interested in exploring skills and careers. Experienced instructors will guide students through course-based, hands-on learning activities while educational field trips will take students behind the scenes of local innovative and exciting companies within STEAM fields.

| | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Start Date | 05 June 2023 | 12 June 2023 | 19 June 2023 | 26 June 2023 | 10 July 2023 | 17 July 2023 |
| End Date | 09 June 2023 | 16 June 2023 | 23 June 2023 | 30 June 2023 | 15 July 2023 | 21 July 2023 |

The following week-long camps will take place weekly during the SSA's Summer of 2023 programming schedule:

CODING QUESTS

Computer systems, from simple to complex, work through a binary coding system and are present in all technologies around us. Students will learn principles of computer systems and coding.

ROCKIN' ROBOTICS

Robots are used in fields ranging from manufacturing to health care. Students will learn to apply programming skills to basic principles of robotics.

DIGITAL ART ADVENTURES

New and emerging technologies used in present day arts, music, and film utilize engineering design principles. Students will gain an understanding of the role science, technology, engineering, and math play in visual media.

SCIENCE EXPLORERS

Scientific principles are used to describe the natural world and are applied widely to provide us an understanding of technical fields. Students will explore biology, chemistry, physics techniques as used in the world around us.

SCORPION DETECTIVES

Investigative techniques call on scientific principles from chemistry, biology, and physics. Students will explore the physical sciences and apply their knowledge to their own evidence-based investigations.

HEALTHCARE HEROES

Medical sciences include a wide application of scientific principles that are important to the health of our communities. Students will gain observational and hands-on experience with health care best practices.

REGISTRATION & COSTS

Online registration nsc.edu/SSA closes the week prior to each program start date. Participants may only register for one camp during each of the six-week programming schedule.

Early Bird Registration: **01 April 2023** at **\$275*** per weeklong program.

Open Registration: **01 June 2023** at **\$325*** per weeklong program.

* Cost of each course includes a non-refundable \$25 registration fee per program.



nsc.edu/SSA

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